

Transmission Reliability Research Review

Overview of Framework for Tools to Archive and Analyze Real Time Grid Data

Carlos Martinez



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CERTS
CONSORTIUM FOR ELECTRIC RELIABILITY TECHNOLOGY SOLUTIONS

Goals

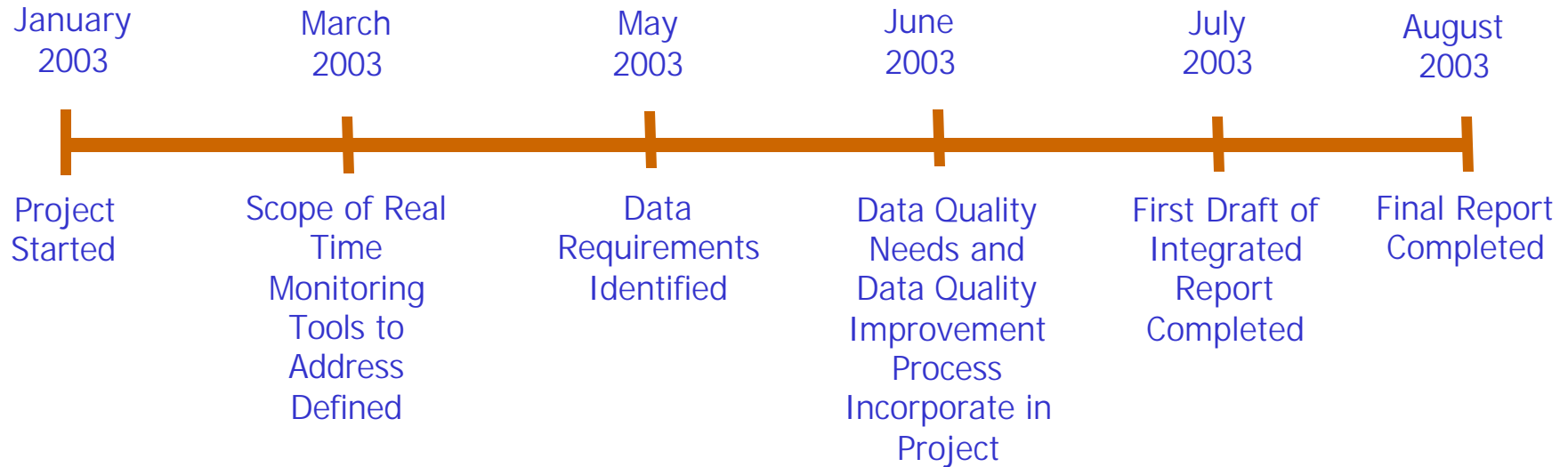
Vision/Goal: *Define and report the framework and constraints to be addressed in developing tools to archive and analyze real-time grid data. The value of such a system would be better utilization of available data to improve reliability management, market monitoring and, ultimately, improved market efficiency.*

Key Issues being addressed:

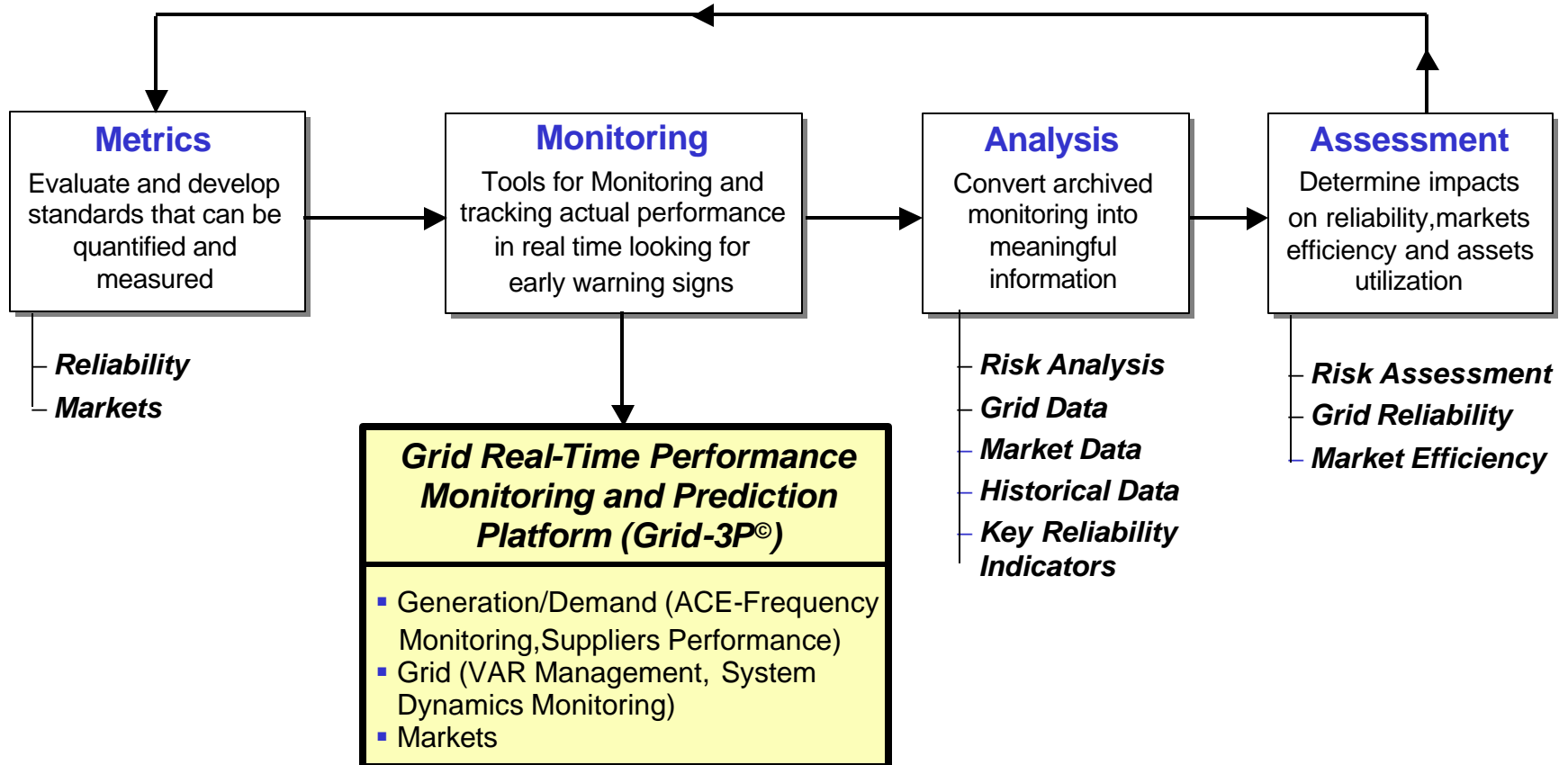
- Real time monitoring applications data requirements will be reviewed
- Framework for data and information archiving systems will be researched to lay a foundation for effective and systematic data and information management for real-time monitoring of power systems
- Data quality requirements will be identified and processes to improve data quality will be identified and reported.



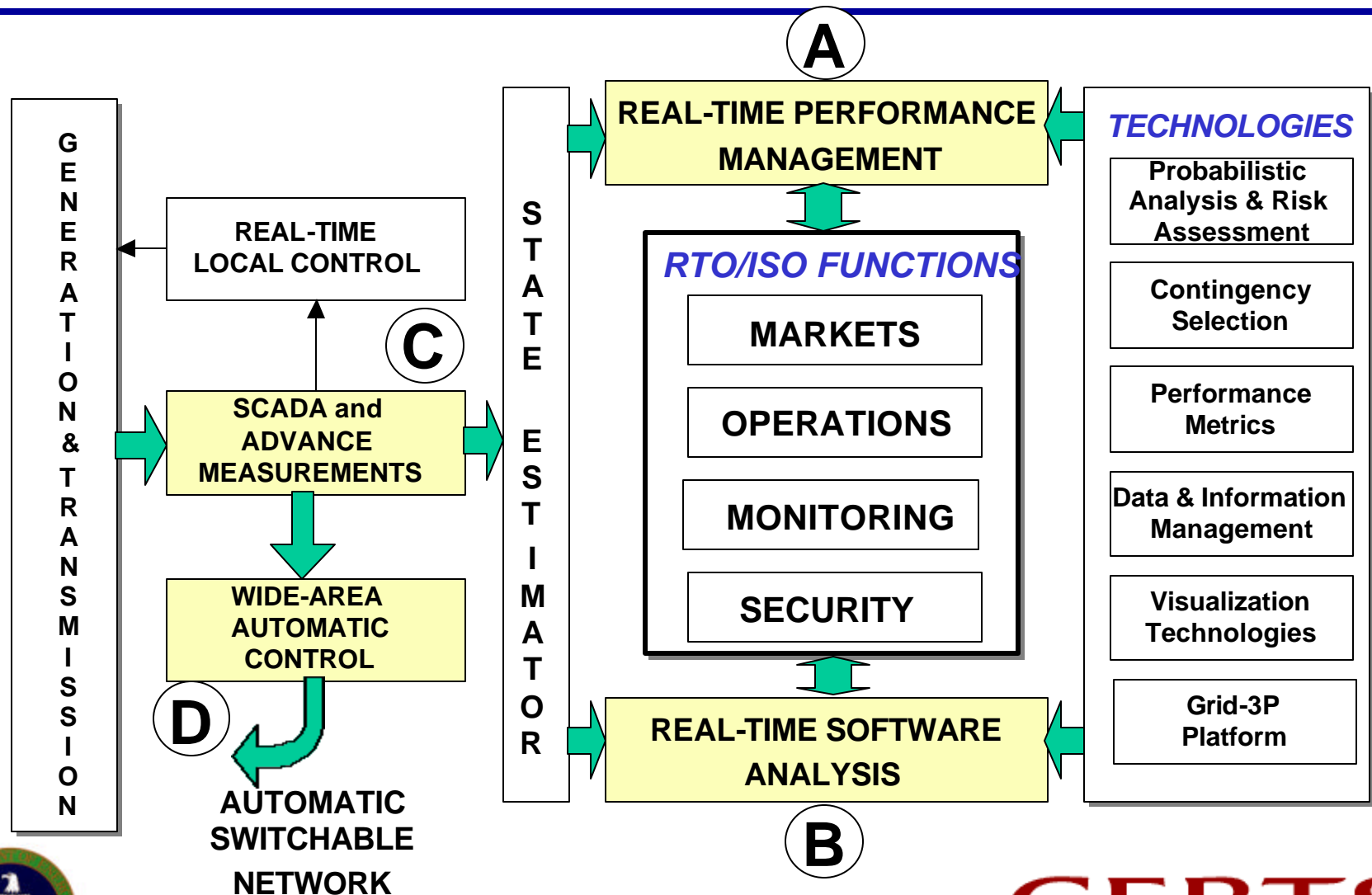
Timeframes



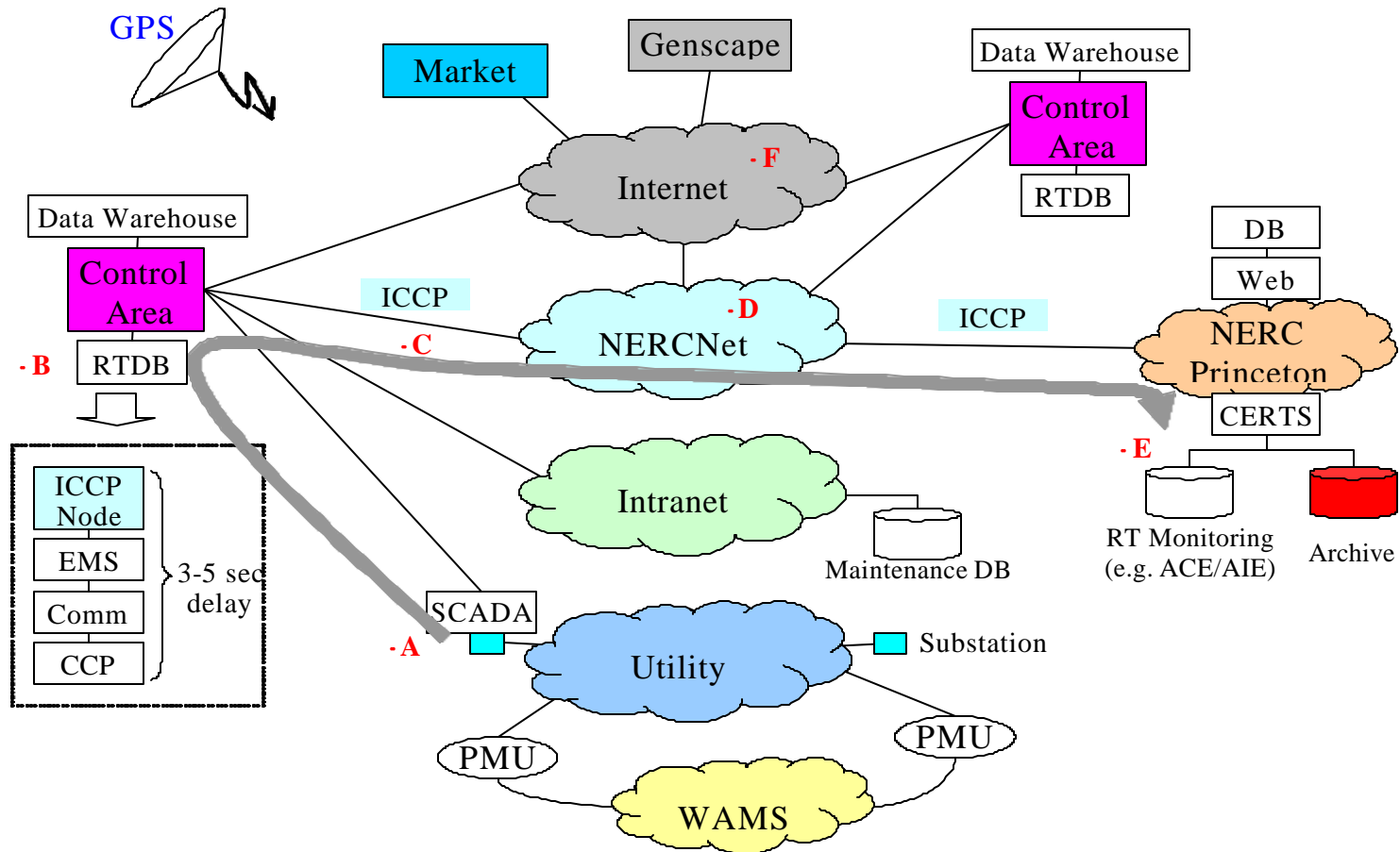
Reliability and Markets Data Needs



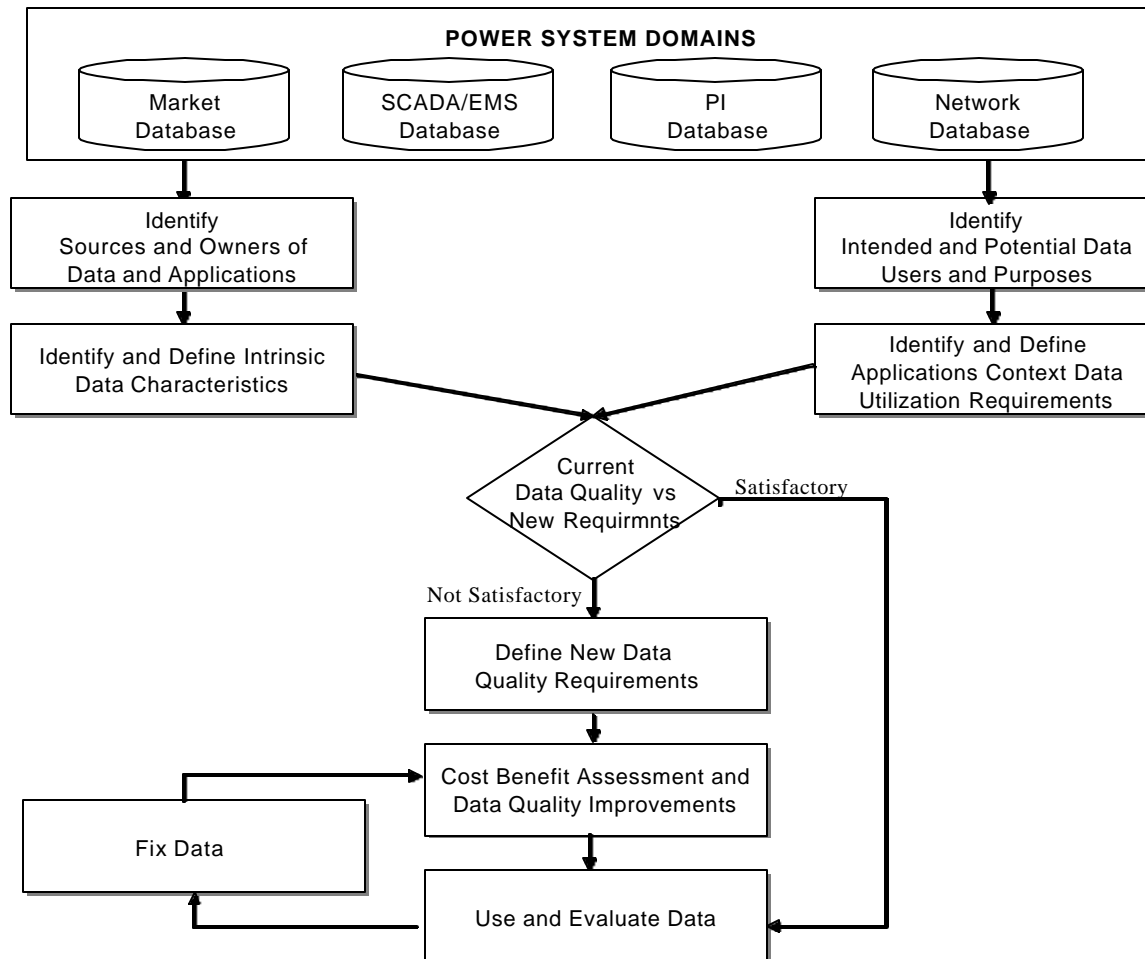
CERTS Real Time Grid Monitoring Tools Roadmap



Real Time Data – Physical Design



Data Quality Improvement Process



Data Quality Control Procedure

